==========
Sequence Listing was accepted.
See attached Validation Report.
If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).
Reviewer: Anne Corrigan
Timestamp: [year=2008; month=7; day=21; hr=13; min=46; sec=39; ms=609;]
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Validated By CRFValidator v 1.0.3

Application No: 10567381 Version No: 1.0

Input Set:

Output Set:

Started: 2008-06-25 17:19:13.212
Finished: 2008-06-25 17:19:16.521
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 309 ms
Total Warnings: 43
Total Errors: 2
No. of SeqIDs Defined: 48
Actual SeqID Count: 48

Error code		Error Description
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Input Set:

Output Set:

Started: 2008-06-25 17:19:13.212
Finished: 2008-06-25 17:19:16.521
Elapsed: 0 hr(s) 0 min(s) 3 sec(s) 309 ms
Total Warnings: 43
Total Errors: 2
No. of SeqIDs Defined: 48
Actual SeqID Count: 48

Error code	Error Description
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W 402	Undefined organism found in <213> in SEQ ID (39)
W 402	Undefined organism found in <213> in SEQ ID (40)
	This error has occured more than 20 times, will not be displayed

SEQUENCE LISTING

<110> LEE, DANIEL H.S.
PEPINSKY, R. BLAKE
LI, WEIWEI
RABACCHI, SYLVIA A.
RELTON, JANE K.
WORLEY, DANE S.
STRITTMATTER, STEPHEN M.
SAH, DINAH W.Y.

<120> NOGO RECEPTOR ANTAGONISTS

<130> 2681.0430002

<140> 10567381
<141> 2008-06-25

<150> PCT/US04/02702
<151> 2004-01-30

<150> PCT/US03/25004
<151> 2003-08-07

<150> 60/402,866
<151> 2002-08-10

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<170> PatentIn Ver. 3.2

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<213> Rattus sp.

<400> 1
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1 5 10 15

<210> 2
<211> 16
<212> PRT
<213> Homo sapiens

<400> 2
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1 5 10 15

<210> 3
<211> 35
<212> PRT
<213> Rattus sp.

<400> 3
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  1   5   10   15

Asp Glu Glu Leu Leu Gly Leu Pro Lys Cys Cys Gln Pro Asp Ala Ala
             20   25   30

Asp Lys Ala
         35

<210> 4
<211> 35
<212> PRT
<213> Homo sapiens

<400> 4
Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp Thr Gly Arg Ala Thr
  1   5   10   15

Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys Gln Pro Asp Ala Ala
             20   25   30

Asp Lys Ala
         35

<210> 5
<211> 10
<212> PRT
<213> Mus musculus

<400> 5
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  1   5   10

<210> 6
<211> 344
<212> PRT
<213> Homo sapiens

<400> 6
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  1   5   10   15

Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val
             20   25   30

Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
         35   40   45

Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu
     50   55   60

His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys

```
 65                  70                  75                  80

Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile
                 85                  90                  95

Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu
            100                 105                 110

Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly
        115                 120                 125

Leu Gly Arg Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
    130                 135                 140

Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
145                 150                 155                 160

Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp
                165                 170                 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser
            180                 185                 190

Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
        195                 200                 205

Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp
    210                 215                 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala
225                 230                 235                 240

Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg
                245                 250                 255

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
            260                 265                 270

Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
        275                 280                 285

Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
    290                 295                 300

Asp Leu Gln Gly Cys Ala Val Ala Thr Gly Pro Tyr His Pro Ile Trp
305                 310                 315                 320

Thr Gly Arg Ala Thr Asp Glu Glu Pro Leu Gly Leu Pro Lys Cys Cys
                325                 330                 335

Gln Pro Asp Ala Ala Asp Lys Ala
            340
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<210> 7
<211> 310
<212> PRT

<213> Homo sapiens

<400> 7

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Met Lys Arg Ala Ser Ala Gly Gly Ser Arg Leu Leu Ala Trp Val Leu
  1               5                  10                  15

Trp Leu Gln Ala Trp Gln Val Ala Ala Pro Cys Pro Gly Ala Cys Val
             20                  25                  30

Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Cys Pro Gln Gln Gly Leu
         35                  40                  45

Gln Ala Val Pro Val Gly Ile Pro Ala Ala Ser Gln Arg Ile Phe Leu
     50                  55                  60

His Gly Asn Arg Ile Ser His Val Pro Ala Ala Ser Phe Arg Ala Cys
 65                  70                  75                  80

Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Val Leu Ala Arg Ile
                 85                  90                  95

Asp Ala Ala Ala Phe Thr Gly Leu Ala Leu Leu Glu Gln Leu Asp Leu
            100                 105                 110

Ser Asp Asn Ala Gln Leu Arg Ser Val Asp Pro Ala Thr Phe His Gly
        115                 120                 125

Leu Gly Arg Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
    130                 135                 140

Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
145                 150                 155                 160

Leu Gln Asp Asn Ala Leu Gln Ala Leu Pro Asp Asp Thr Phe Arg Asp
                165                 170                 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Ser Ser
            180                 185                 190

Val Pro Glu Arg Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
        195                 200                 205

Leu His Gln Asn Arg Val Ala His Val His Pro His Ala Phe Arg Asp
    210                 215                 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Ala
225                 230                 235                 240

Leu Pro Thr Glu Ala Leu Ala Pro Leu Arg Ala Leu Gln Tyr Leu Arg
                245                 250                 255

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
            260                 265                 270

Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Glu Val Pro Cys Ser
        275                 280                 285
```

```
Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Ala Asn
    290                 295                 300

Asp Leu Gln Gly Cys Ala
305                 310
```

<210> 8
<211> 344
<212> PRT
<213> Rattus sp.

<400> 8

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Met Lys Arg Ala Ser Ser Gly Gly Ser Arg Leu Pro Thr Trp Val Leu
  1               5                  10                  15

Trp Leu Gln Ala Trp Arg Val Ala Thr Pro Cys Pro Gly Ala Cys Val
             20                  25                  30

Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Arg Pro Gln Gln Gly Leu
         35                  40                  45

Gln Ala Val Pro Ala Gly Ile Pro Ala Ser Ser Gln Arg Ile Phe Leu
     50                  55                  60

His Gly Asn Arg Ile Ser Tyr Val Pro Ala Ala Ser Phe Gln Ser Cys
 65                  70                  75                  80

Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Ala Leu Ala Gly Ile
                 85                  90                  95

Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu
            100                 105                 110

Ser Asp Asn Ala Gln Leu Arg Val Val Asp Pro Thr Thr Phe Arg Gly
        115                 120                 125

Leu Gly His Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
    130                 135                 140

Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
145                 150                 155                 160

Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro Asp Asn Thr Phe Arg Asp
                165                 170                 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Pro Ser
            180                 185                 190

Val Pro Glu His Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
        195                 200                 205

Leu His Gln Asn His Val Ala Arg Val His Pro His Ala Phe Arg Asp
    210                 215                 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Met
225                 230                 235                 240
```

```
Leu Pro Ala Glu Val Leu Val Pro Leu Arg Ser Leu Gln Tyr Leu Arg
                245                 250                 255

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
            260                 265                 270

Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Gly Val Pro Ser Asn
        275                 280                 285

Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Thr Ser
    290                 295                 300

Asp Leu Glu Gly Cys Ala Val Ala Ser Gly Pro Phe Arg Pro Phe Gln
305                 310                 315                 320

Thr Asn Gln Leu Thr Asp Glu Glu Leu Leu Gly Leu Pro Lys Cys Cys
                325                 330                 335

Gln Pro Asp Ala Ala Asp Lys Ala
            340
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<210> 9
<211> 310
<212> PRT
<213> Rattus sp.

<400> 9

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Met Lys Arg Ala Ser Ser Gly Gly Ser Arg Leu Pro Thr Trp Val Leu
  1               5                  10                  15

Trp Leu Gln Ala Trp Arg Val Ala Thr Pro Cys Pro Gly Ala Cys Val
             20                  25                  30

Cys Tyr Asn Glu Pro Lys Val Thr Thr Ser Arg Pro Gln Gln Gly Leu
         35                  40                  45

Gln Ala Val Pro Ala Gly Ile Pro Ala Ser Ser Gln Arg Ile Phe Leu
     50                  55                  60

His Gly Asn Arg Ile Ser Tyr Val Pro Ala Ala Ser Phe Gln Ser Cys
 65                  70                  75                  80

Arg Asn Leu Thr Ile Leu Trp Leu His Ser Asn Ala Leu Ala Gly Ile
                 85                  90                  95

Asp Ala Ala Ala Phe Thr Gly Leu Thr Leu Leu Glu Gln Leu Asp Leu
            100                 105                 110

Ser Asp Asn Ala Gln Leu Arg Val Val Asp Pro Thr Thr Phe Arg Gly
        115                 120                 125

Leu Gly His Leu His Thr Leu His Leu Asp Arg Cys Gly Leu Gln Glu
    130                 135                 140

Leu Gly Pro Gly Leu Phe Arg Gly Leu Ala Ala Leu Gln Tyr Leu Tyr
```

```
145                 150                 155                 160

Leu Gln Asp Asn Asn Leu Gln Ala Leu Pro Asp Asn Thr Phe Arg Asp
                165                 170                 175

Leu Gly Asn Leu Thr His Leu Phe Leu His Gly Asn Arg Ile Pro Ser
            180                 185                 190

Val Pro Glu His Ala Phe Arg Gly Leu His Ser Leu Asp Arg Leu Leu
        195                 200                 205

Leu His Gln Asn His Val Ala Arg Val His Pro His Ala Phe Arg Asp
    210                 215                 220

Leu Gly Arg Leu Met Thr Leu Tyr Leu Phe Ala Asn Asn Leu Ser Met
225                 230                 235                 240

Leu Pro Ala Glu Val Leu Val Pro Leu Arg Ser Leu Gln Tyr Leu Arg
                245                 250                 255

Leu Asn Asp Asn Pro Trp Val Cys Asp Cys Arg Ala Arg Pro Leu Trp
            260                 265                 270

Ala Trp Leu Gln Lys Phe Arg Gly Ser Ser Ser Gly Val Pro Ser Asn
        275                 280                 285

Leu Pro Gln Arg Leu Ala Gly Arg Asp Leu Lys Arg Leu Ala Thr Ser
    290                 295                 300

Asp Leu Glu Gly Cys Ala
305                 310


<210> 10
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
      linker

<400> 10
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  1               5                  10                  15


<210> 11
<211> 19
<212> PRT
<213> Rattus sp.

<400> 11
Arg Val His Pro His Ala Phe Arg Asp Leu Gly Arg Leu Met Thr Leu
  1               5                  10                  15

Tyr Leu Phe
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<210> 12
<211> 34
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 12
tgaggagacg gtgaccgtgg tcccttggcc ccag 34

<210> 13
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 13
ggggatatcc accatgaagt tgcctgttag gctgttg 37

<210> 14
<211> 40
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Degenerate primer

<400> 14
ggggatatcc accatgaggk ccccwgctca gytyctkgga 40

<210> 15
<211> 144
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic light chain peptide sequence

<400> 15
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1 5 10 15

Ser Ser Ser Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val
20 25 30

Ser Leu Gly Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu
35 40 45

```
Val His Ser Asn Gly Asn Thr Tyr Leu His Trp Tyr Leu Gln Lys Pro
     50                  55                  60

Gly Gln Ser Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser
 65                  70                  75                  80

Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
                 85                  90                  95

Leu Lys Ile Ser Arg Val Asp Ala Glu Asp Leu Gly Val Tyr Phe Cys
            100                 105                 110

Ser Gln Ser Thr His Val Pro Phe Thr Phe Gly Gly Gly Thr Lys Leu
        115                 120                 125

Glu Ile Lys Arg Ala Asp Ala Ala Pro Thr Val Ser Ile Ser His His
    130                 135                 140
```

<210> 16
<211> 144
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
light chain peptide sequence

<400> 16

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Met Lys Leu Pro Val Arg Leu Leu Val Leu Met Phe Trp Ile Pro Ala
  1               5                  10                  15

Ser Ser Ser Asp Val Val Met Thr Gln Thr Pro Leu Ser Leu Pro Val
             20                  25                  30

Ser Leu Gly Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Gln Ser Leu
         35                  40                  45

Val His Ser Asn Gly Tyr Thr Tyr Leu His Trp Tyr Leu Gln Arg Pro
     50                  55                  60

Gly Gln Ser Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser
 65                  70                  75                  80

Gly Val Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr
                 85                  90                  95

Leu Lys Ile Ser Arg Val Asp Ala Glu Asp Leu Gly Val Tyr Phe Cys
            100                 105                 110

Ser Gln Ser Thr His Val Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu
        115                 120                 125

Glu Ile Lys Arg Ala Asp Ala Ala Pro Thr Val Ser Ile Ser His His
    130                 135                 140
```

<210> 17
<211> 116
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
heavy chain peptide sequence

<400> 17
Val Gln Leu Gln Glu Ser Gly Ala Glu Leu Val Met Pro Gly Ala Ser
1 5 10 15

Val Lys Met Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr Trp
20 25 30

Met His Trp Val Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile Gly
35 40 45

A